





# **The Synchronized Predeployment and Operational Tracker Enterprise Suite (SPOT ES) Overview**



# Agenda

- SPOT ES and Operations
- SPOT ES an Evolving Tool For The Future
- SPOT ES and Policy
- SPOT ES Phases
- SPOT ES Access and Capabilities
- JAMMS
- TOPSS
- SPOT ES Integration
- SPOT ES Future Enhancements
- SPOT ES Resources
- Business Rules & Processes/Best Practices





# SPOT Enterprise Suite



A single, joint enterprise system on a Service Oriented Architecture (SOA) employed for:

- the management, tracking and visibility of contractors accompanying U.S. forces overseas and contingency operations.
- capturing movement and location information about operating forces, government civil servants, and government contractors in specified operational theaters.
- providing dynamic, ad hoc reporting by putting the power of data reporting and analysis in the hands of the analyst.







# Planning and Results



OPERATION NEEDS

- Plan missions and logistics
- Provide Situational Awareness (SA)
- Provide personnel accountability
- Support legal investigations involving personnel
- Determine contract compliance (e.g. use of Government Furnished Services)
- Execute Search missions (e.g. finding lost/missing personnel)



OPERATION BENEFITS

- Capture and monitor activities related to tracking the movement of contractor, government civilian, and military personnel in target AOR (e.g. CENTCOM)
- Enable validation of the registration data against SPOT enrollment data
- Facilitate the accountability of non SPOT persons to be





# SPOT ES: The Evolving Application



Four components NOW comprise SPOT ES:

- SPOT **NIPRNet** – SPOT deployed on the Non-secure Internet Protocol Router Network
- SPOT **SIPRNet** – SPOT deployed on the Secure Internet Protocol Router Network
- **JAMMS** – Joint Asset Movement Management System
- **TOPSS** – Total Operational Picture Support System



# Background: Policy IAW DoDI 3020.41



- Provide Leader Awareness of Contractor Footprint in their Area Of Responsibility for Contingency and Force Protection Planning
- Provide Leader Visibility of Capabilities within AOR
- Provide Full Accountability
- Provide Audit Type Capability for Contracted Assets





# SPOT ES Phases



## Enrollment

- Register personnel in central repository
- Screen & verify against authoritative data sources (e.g., DMDC, ABIS, IAFIS, etc)
- Issue credentials
- Capture biometrics information (if applicable)

## Movement Capture

- Capture scans of credentials with deployed devices at target locations
- Capture key data elements to track movement data



## Data Aggregation

- Aggregate movement transactions from scanning devices
- Reconcile based on data quality rules
- Associate Card ID with enrollment record
- Consolidate into central repository

## Reporting & Data Analysis

- Generate standard and ad hoc reports such as:
  - Movement transactions by location (country, city, building), ID type, personnel type
  - Movement transactions in last seven days
  - Movement transactions for specific person
- Leverage advanced







# SPOT: User Groups and Roles



- Three (3) Primary User Groups (Roles)
  - Contractor Company
    - Company Administrator
  - Government Organization
    - Government Administrator / Government Authority
  - Contracting Community (Government)
    - Contracting Administrator / Contracting Officer (KO)
- Each role limits access to data and functionality in SPOT
- Each role has specific credentials for which you can register
  - Ex: you have an AKO login, but you want the ability to access SPOT using a software certification





# SPOT: Capabilities by Roles



communications



Company

Add / Maintain Contract

Add / Maintain Personnel

Initiate Deployment

Maintain Deployment Information

Initiate LOA

Government Authority

Add / Maintain Contract

Add / Maintain Personnel

Initiate Deployment

Maintain Deployment Information

Initiate LOA

Authorize LOA

(Government Authority only)

Contracting Officer

Contracting

Administrator

Add / Maintain Contract

Approve LOA

(Contracting Officer only)



# SPOT Produced Letter of Authorization



Name: Greenfield Jr., Marcus R. SSN: XXX-XX-XXXX

| LETTER OF AUTHORIZATION  |  |  | DATE OF REQUEST   |
|--|--|--|---|
| REQUIRING ACTIVITY<br>Communications and Electronics Command   | GOVT AGENCY POC<br>Rice, James   | GOVT AGENCY POC PHONE<br>2025551212              | GOVT AGENCY POC EMAIL<br>james.rice@us.army.mil         |
| NAME (Last, First, Middle Initial)<br>Greenfield Jr., Marcus R.  | SSN/FIN<br>XXX-XX-2280   | DATE OF BIRTH<br>1/1/1970                        |   |
| HOME ADDRESS<br>5322 Brambleton Drive<br>Norfolk Virginia 23533  | CITIZENSHIP<br>United States   | PASSPORT # / EXPIRATION<br>PASS0000 / 12/31/2013 |   |
| EMAIL<br>marcus.greenfield@us.army.mil   | DEPLOYMENT PERIOD START<br>4/1/2010  | DEPLOYMENT PERIOD END<br>6/30/2010               |   |
| CLEARANCE LEVEL w/ AGENCY<br>None  | CLEARANCE DATE (MM/DD/YYYY)  | THEATER EMAIL<br>ngc@email.com                   |   |
| COMPANY (Full name)<br>Northrop Grumman Corp.  | COMPANY POC<br>Jones, Nora   | JOB TITLE<br>Concrete/Mason                      | SUPERVISOR/NON-SUPERVISOR<br>Non-Supervisor/Non-Manager |
| CONTRACT NUMBER / TASK ORDER<br>CON10027/TASK0027 A  | CONTRACT / TO START DATE<br>3/1/2010   | CONTRACT / TO END DATE<br>12/31/2010             |   |
| NEXT OF KIN (NOK) NAME<br>Available in SPOT  | NOK RELATIONSHIP<br>Available in SPOT  | ASSIGNED TO<br>TERRIE B PUGH                     |   |
| IN-THEATER CONTACT<br>Pace, Ricky  | CONTACT'S PHONE<br>017-844-5555  |  |   |
| COUNTRIES TO BE VISITED<br>Afghanistan   |  |  |   |
| PURPOSE<br>To rebuild what was destroyed.  |  |  |   |
| FUND CITE w/ BILLING ADDRESS<br>123 45678 29304 1324738<br>1 Penn Ave.,<br>Washington, District of Columbia - 22000<br>United States | DBA INSURANCE INFORMATION<br>Company Name: International Health<br>Insurance Co.<br>Policy Number: 123-ABC-456<br>POC Phone Number: 800-456-3322 |  |   |

## LOA REMARKS

AP1.3.17.1. U.S.-owned contractors providing goods or services in direct support of DoD activities for contract-related mail only, their U.S. citizen employees and sponsored family members may be authorized personal mail. Postal support will be limited to the country in which the contractor is performing and providing there is no host-country prohibition. The extent of the postal support will be set forth in the contract. The provisions for postal support in such contracts shall be reviewed and approved by the applicable Combatant Commander (or his designated representative) and the Military Department concerned prior to execution of the contract.

## GOVERNMENT FURNISHED SERVICES

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> APO/FPO/MPO/Postal Services | <input checked="" type="checkbox"/> Authorized Weapon |
| <input type="checkbox"/> Billeting                              | <input checked="" type="checkbox"/> CAAF              |
| <input type="checkbox"/> CAC/ID Card                            | <input type="checkbox"/> Commissary                   |
| <input checked="" type="checkbox"/> Dependents Authorized       | <input checked="" type="checkbox"/> DFACs             |
| <input type="checkbox"/> Excess Baggage                         | <input type="checkbox"/> Fuel Authorized              |
| <input type="checkbox"/> Govt Furnished Meals                   | <input type="checkbox"/> Mil Banking                  |
| <input type="checkbox"/> Mil Clothing                           | <input type="checkbox"/> Mil Exchange                 |
| <input type="checkbox"/> Mil Issued Equip                       | <input checked="" type="checkbox"/> Milair            |
| <input type="checkbox"/> MWR                                    | <input type="checkbox"/> None                         |
| <input checked="" type="checkbox"/> Resuscitative Care          | <input type="checkbox"/> Transportation               |

The government organization specified above, in its mission support, authorizes the individual employee identified herein, to proceed to designated deployment period set forth above. Upon completion of return to the point of origin. Travel being performed is necessary. Travel is in accordance with FAR 31.205-36 and the maximum per appropriate travel regulations (Joint Travel Regulation (for AK, HI and outlying areas of the United States and US possessions), Federal Travel Regulation for CONUS and US Territories, and Dept of State's Standardized Regulations for OCONUS Foreign Areas designated).

Prior to issuance of a DoD Common Access Card (CAC), the government completion of the FBI fingerprint check with favorable results and submission of Check with Inquiries to the Office of Personnel Management (OPM), or an equivalent investigation.

Emergency medical support will be determined by the appropriate support. Contractor authorization aboard military aircraft will be determined by the Necessary identification badges will be determined and provided by the sponsor.

**A unique barcode is generated for each LOA JAMMS scans contractor location data which is uploaded to SPOT records**

tess.army.mil

spot@tess.army.mil  
civ-spot@tess.army.mil, c=US, o=U.S. Government, ou=USA  
2010.03.14 19:18:29 -0400

Print Name Signed by the SPOT System on behalf of TERRIE B PUGH

pot2@yahoo.com

010

00223







# SPOT: NIPRNet and SIPRNet

- SPOT is deployed over two DoD networks, **NIPRNet** (unclassified) and **SIPRNet** (classified). The networks are information conduits allowing access to the contractor identity and movement data stored in SPOT.
  - The distinction between the two deployments of SPOT is the classification of data available over the networks.
  - As **SIPRNet** is a secure network, contractor identification and movement-related data classified as Secret will be provided across SIPRNet only





# JAMMS (Joint Asset Movement Management System)



- JAMMS captures movement and location information about operating forces, government civil servants, and government contractors through data collection points established in specified operational theaters.
- JAMMS data collection points are established at:
  - Dining Facilities (DRACs)
  - Ports of Debarkation (APODs/SPODs)
  - Central Issue Facilities (CIFs)
  - Medical locations
  - Convoy staging areas
  - Fuel Points
  - Vehicle Issue Points
  - Billeting facilities
  - Department of State (DoS) facilities
  - Morale, Welfare, and Recreation (MWR) locations





# SPOT and JAMMS Integration



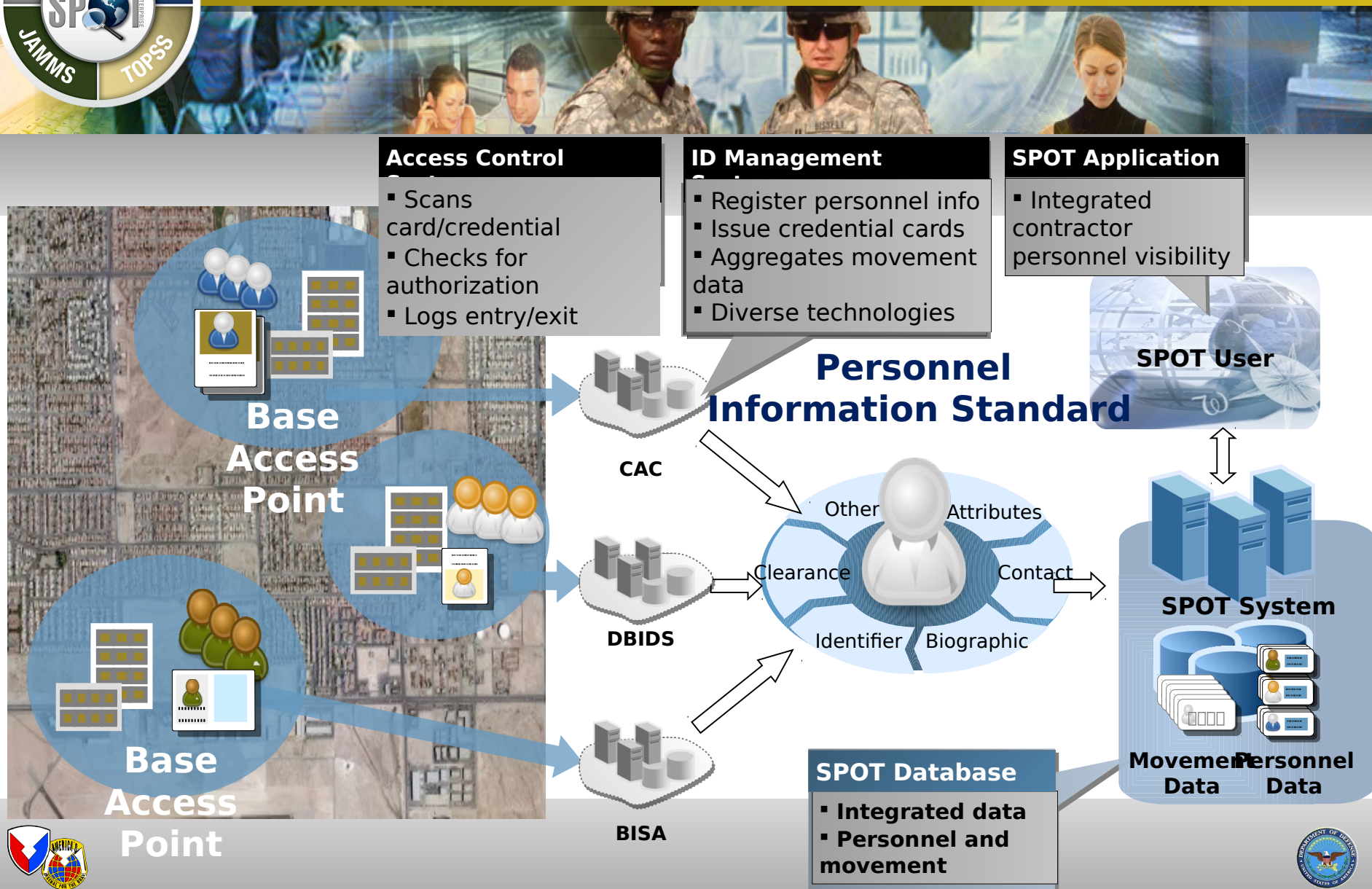
- JAMMS Operations

- Personnel movement data collected, data assembled into an encrypted batch file for upload
- SPOT builds a JAMMS record, matches movement data to an individual, creates an exception report if individual not registered in SPOT
- Users and external systems query SPOT for movement data; SPOT provides data requested





# Scenario: SPOT and JAMMS





# SPOT Administrator: Dashboard Report



FOR OFFICIAL USE ONLY

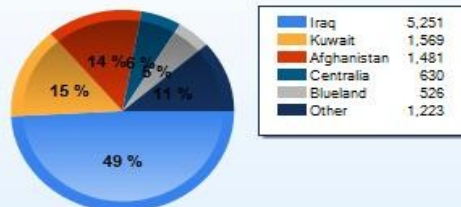
[Home](#) | [Training](#) | [Logout](#)

Welcome, JOHN KAMENELIS Training Web

[Home](#) | [Person](#) | [Contracts](#) | [Reports](#) | [Administration](#) | [Account Information](#) | [Dashboard](#) | [Company Managed Equipment](#)

Home : Dashboard : SPOT Dashboard

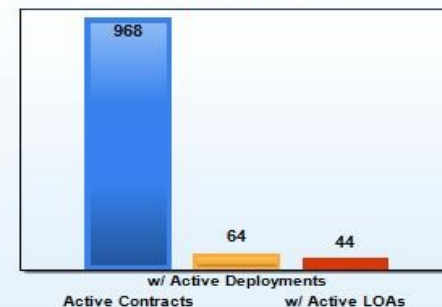
**Contractor Personnel Deployments by Country**



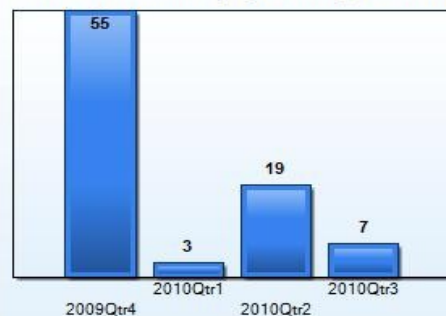
**# of Companies in SPOT**



**Active Contract Counts**



**New Contractor Deployments by Quarter**

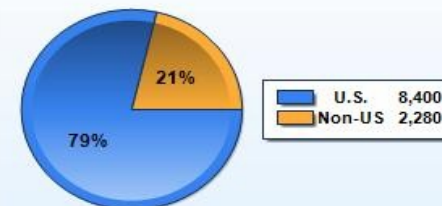


**Top 5 Companies w/Contractor Deployments**

|                           | Total Contractors | Total Subcontractors | % of Total Deployed * |
|---------------------------|-------------------|----------------------|-----------------------|
| KBR                       | 5,594             | 3                    | 52%                   |
| J&J/BIMAR, LLP            | 555               | 0                    | 5%                    |
| KBR, Inc.                 | 287               | 0                    | 3%                    |
| L-3 Com Titan Group       | 238               | 0                    | 2%                    |
| AECOM Government Services | 209               | 0                    | 2%                    |
| <b>Total</b>              | <b>6,883</b>      | <b>3</b>             | <b>64%</b>            |

\* % of total deployed population

**Citizenship of Deployed Contractor Personnel**







# Report Example: JAMMS Summary

## JAMMS Summary Report

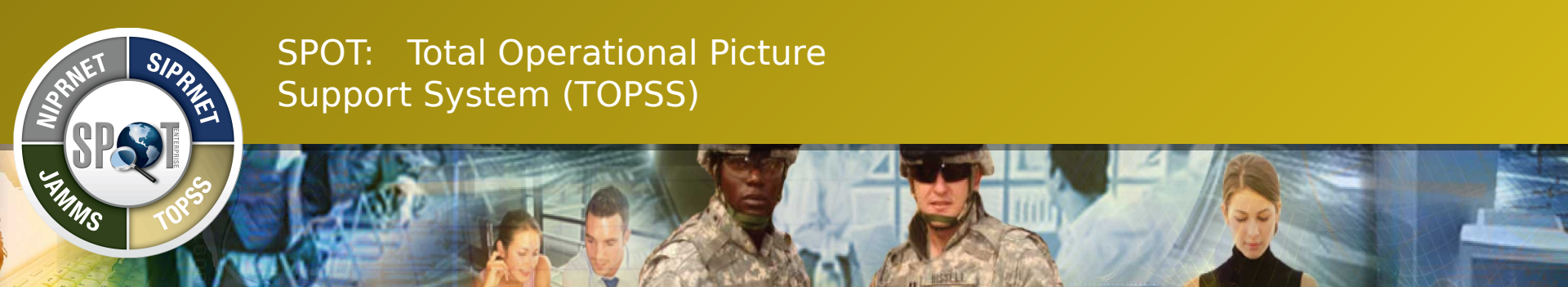
Generated as of Jun 19 2009 14:46 GMT

| Location                      | U.S. Government Personnel | U.S. Military Personnel | Not Specified    | Company Contractor | Total             |
|-------------------------------|---------------------------|-------------------------|------------------|--------------------|-------------------|
| Afghanistan (101 AVN)         | 4,855                     | 137,828                 | 1,303            | 40,098             | 184,084           |
| Afghanistan (2B PHOENIX)      | 19,870                    | 443,681                 | 7,390            | 163,555            | 634,496           |
| Afghanistan (2C EGGERS)       | 10,691                    | 171,217                 | 4,159            | 63,245             | 249,312           |
| Afghanistan (RSOI DFAC)       | 5,745                     | 92,843                  | 2,039            | 38,187             | 138,814           |
| Iraq (Al Hilliah CPA)         | 2                         | 248                     | 1                | 2                  | 253               |
| Iraq (AL TAQADDUM)            | 3,127                     | 176,740                 | 1,334            | 68,897             | 250,098           |
| Iraq (AL-KUT DFAC(Delta))     | 15,868                    | 713,336                 | 7,627            | 299,249            | 1,036,080         |
| Iraq (AO GLORY DFAC)          | 50,713                    | 1,333,779               | 9,756            | 351,105            | 1,745,353         |
| Iraq (Balad(Fixed/Rotary))    | 11,030                    | 201,653                 | 1,672            | 56,344             | 270,699           |
| Iraq (BIAP(Inbound/Outbound)) | 22,464                    | 549,298                 | 5,655            | 84,306             | 661,723           |
| Iraq (BUCCA EPW2)             | 17,211                    | 1,028,597               | 7,736            | 279,580            | 1,333,124         |
| Iraq (CAFE AL RAMADI)         | 23,894                    | 1,066,623               | 11,449           | 216,449            | 1,318,415         |
| Iraq (Camp East LSA)          | 36,940                    | 1,364,011               | 16,610           | 586,184            | 2,003,745         |
| Iraq (Camp Echo)              | 8,657                     | 616,695                 | 5,484            | 269,917            | 900,753           |
| Iraq (Camp Hammer)            | 5,654                     | 346,880                 | 2,785            | 74,685             | 430,004           |
| Kuwait (Ali Al Salem DFAC)    | 55,402                    | 1,694,456               | 28,203           | 234,804            | 2,012,865         |
| Kuwait (Ali Al Salem)         | 28,434                    | 5,372                   | 2,151            | 127,506            | 163,463           |
| Kuwait (SPOD)                 | 20,576                    | 304,418                 | 9,759            | 116,217            | 450,970           |
| Kuwait-APOD 003               | 853                       | 6,931                   | 140              | 318                | 8,242             |
| Kuwait-APOD 004               | 4                         | 3,707                   | 12               | 95                 | 3,818             |
| Kuwait-APOD 005               | 10                        | 477                     | 0                | 99                 | 586               |
| Kuwait-Convoy Point 002       | 149                       | 3,973                   | 28               | 66                 | 4,216             |
| Kuwait-Convoy Point 004       | 12                        | 2,443                   | 42               | 41                 | 2,538             |
| Kuwait-Convoy Point 005       | 4                         | 361                     | 2                | 47                 | 414               |
| Qatar-APOD 001                | 41                        | 35                      | 15               | 8,681              | 8,772             |
| Qatar-Dining Facility 008     | 0                         | 0                       | 2                | 3                  | 5                 |
| Unknown                       | 27,948                    | 1,546,309               | 18,358           | 373,369            | 1,965,984         |
| <b>Total</b>                  | <b>2,841,133</b>          | <b>72,759,468</b>       | <b>1,063,776</b> | <b>18,596,297</b>  | <b>95,260,674</b> |

Note: Total counts reflect the number of actual scans captured, not the number of unique persons.

All Example Reports derive artificial data from the test or training SPOT instance.





- Provides Dynamic, Ad Hoc Reporting on a Service Oriented Architecture (SOA)
- Puts power of data reporting and analysis in the hands of analysts to make immediate and effective decisions
- Use reports and dashboards to monitor visibility and analyze trends
- Proven Scalability to adapt to emerging requirements and data sources
- Secure, SIPRNet- based, NIPRNet-ready Business Intelligence Solution (ATO 2009)





# TOPSS: Features Summary



- Reporting

- Ad-Hoc report creation of multiple report styles
- Dynamic, suggested entities and attributes
- Role-Based Security filters report styles, elements, and results
- Integration
- Web Service based integration to consumer applications
- Integrates with external authoritative data sources
- Automated system administration, performance monitoring, and system auditing



# TOPSS: Virtual Data Entities



- TOPSS builds a catalog of virtual data entities that extend across data sources
- Consolidate into a single virtual entity
  - Data can be held in multiple data tables
  - Data in multiple databases
  - Analysts and Reporters do not need to be concerned about those sources and how to consolidate them
- For Example: Virtual Person Record
  - Consolidation of Personal Records and Data, home and work information, skills, and locations where they have been
  - Presented as a single, simple entity to analysts and users







# TOPSS Report Types



- Reports Catalog
  - Provides a starting point and reference of previously built reports
  - System provided
  - Reports by other users
- Pre-generated, Standard Reports
  - Preconfigured reports run and filtered for individual users
- Ad Hoc Reports from Templates
  - Multiple Report Layouts supported, including:

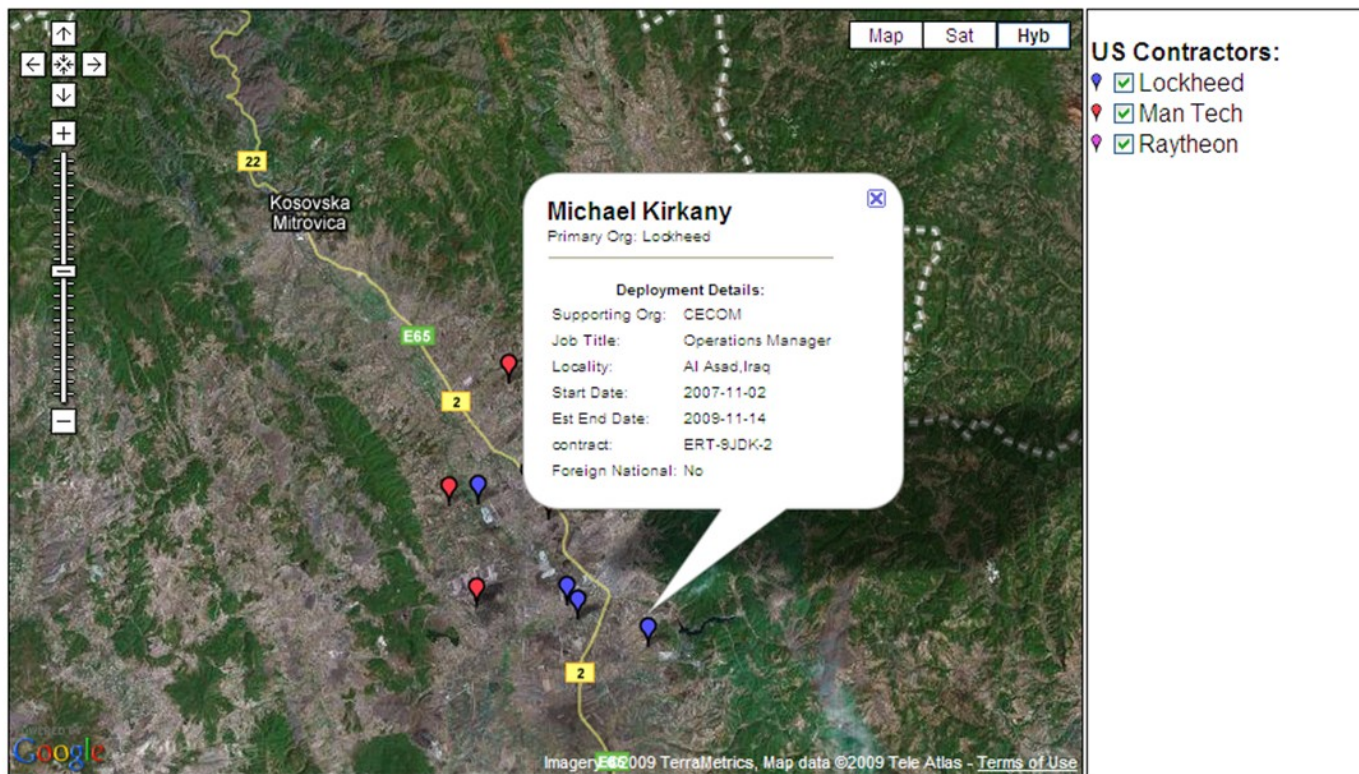


# Report Example: Geospatial Analysis



## • Re

### TOPSS Graphical Information System



All Example Reports derive artificial data from the test or training SPOT instance.



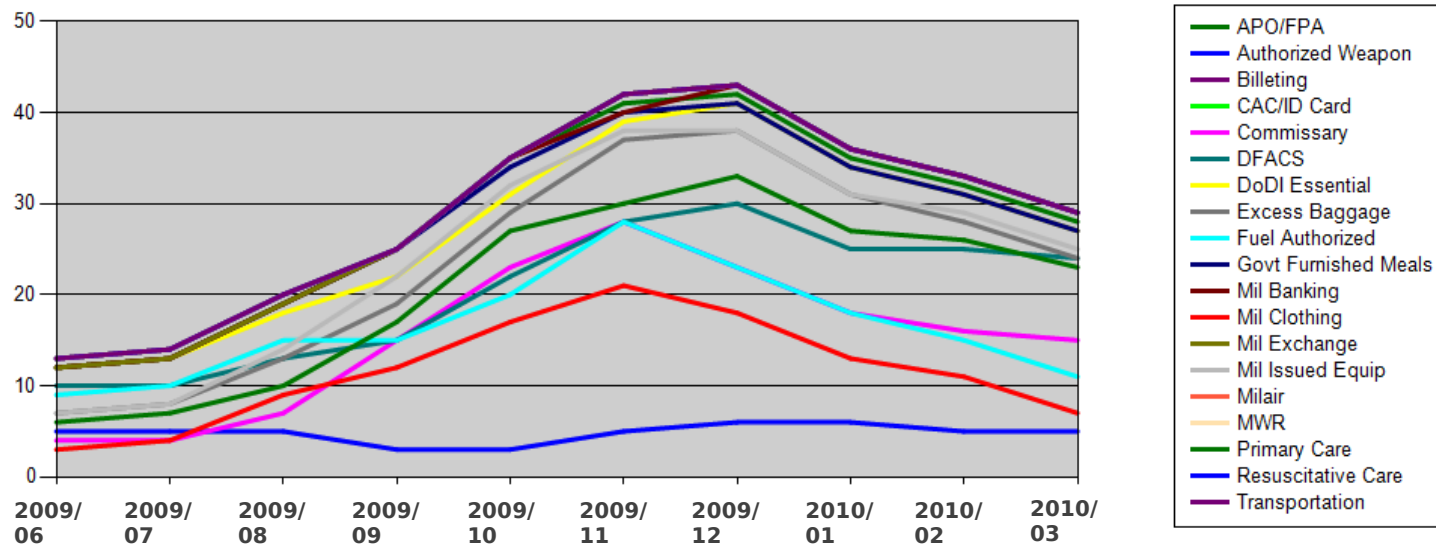


# Report Example: Time Series Analysis

## Logistics Report

Note: This report displays the data and trends

Logistics Trends Chart



Created: 2/17/2009 8:14:08 PM

All Example Reports derive artificial data from the test or training SPOT instance.







# Report and Data Security

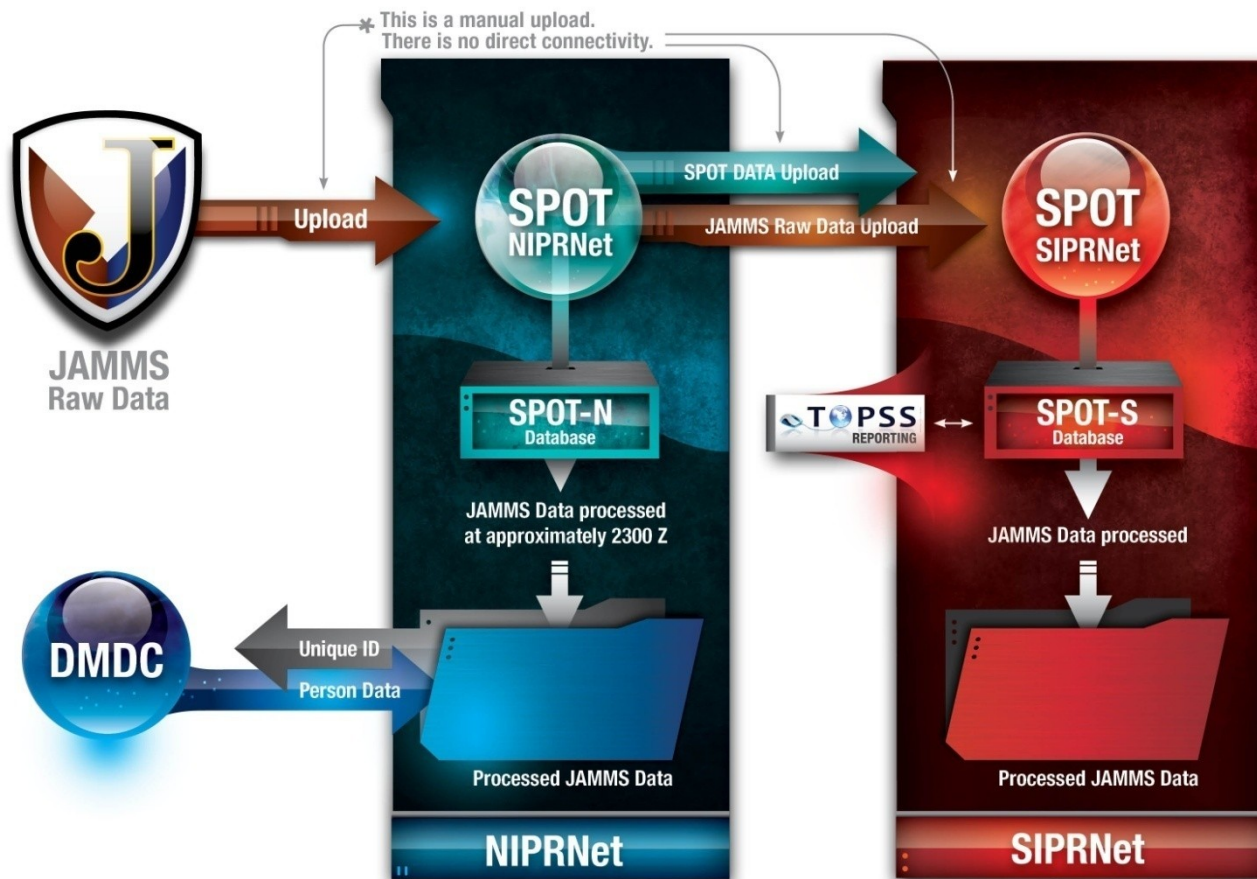
- Data elements filtered and masked by user rights and permissions
  - Users can only generate authorized reports
  - Some users are only allowed summary reporting capabilities, but cannot drill into detailed data
  - Users can only see authorized data entities
  - Some users can see usage activities, system and data metrics, etc
  - Users can only see authorized data results
  - Some data filtered by user groups – COCOM users only see data relevant to their COCOM; Government agencies only see data related to their agency, etc.
  - Some data filtered or masked for privacy concerns (SSN, EDIPI)
- All data access is fully audited and archived for absolute traceability







# SPOT ES Data Integration





# SPOT version 7.1



- SPOT will ensure that contract numbers for DOD contracts follow consistent formatting rules
- Additional verbiage added to LOA concerning the GFSs
- Customer Management Center contact information updated
- SPOT will allow entry of a Theater Business Clearance number if required on the contract and task order
- The process of digital signing of the LOA will be streamlined with fewer screens
- SPOT will provide advance notice of deployments nearing their end dates
  - End dates will be configurable
- SPOT will notify affected users that their deployments and/or LOAs will be canceled or closed





# Support Resources

**SPOT  
SUPPORT**

Customer Management Center  
(CMC) at:

[Spot.helpdesk@us.army.mil](mailto:Spot.helpdesk@us.army.mil) or  
717.458.0747

Chat at

<http://www.spothelpdesk.com>

**SPOT  
PROGRAM OFFICE**

**SPOT PM: Jeffrey Taylor,**  
**703-607-3774 / DSN 337-3774**  
[jeffrey.taylor@bta.mil](mailto:jeffrey.taylor@bta.mil)

**SPOT  
OUTREACH**

For communications and  
conferences:

[spot.outreach@us.army.mil](mailto:spot.outreach@us.army.mil)

**SPOT  
TRAINING**

For additional training, please  
contact us at:


[spot.training@us.army.mil](mailto:spot.training@us.army.mil)





# SPOT ES Resource Center





## SPOT-ES RESOURCE CENTER

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### FAQs

- Q) I am a company admin and can't find a person in SPOT who I need to add to my company. What do I do?  
A) This issue is due to the person not being associated with your company or associated with any company at all. When [More >>](#)
- Q) I have switched companies and I need my role to reflect the new organization. What do I do?

### Alerts


[Archive >>](#)

- There are no alerts at this time.



### Training


The SPOT-ES training team offers Instructor Led Training (ILT) classroom, virtual training sessions using a WebCast forum, or a combination of both to meet different learner needs. We provide on-site training on a case-by-case basis in support of national



### Registration

Ready to sign up for SPOT? Use the link below to begin the registration process:

SPOT NIPRNet:  
<https://SPOT.altess.army.mil>



### Help Desk

The SPOT-ES Help Desk is staffed by technical support specialists who are available 24/7 to answer your questions about SPOT, JAMMS, or the other SPOT-ES components.

Contact the Help Desk as follows:





# Defining Business Rules and Processes



- Some tasks, such as entering contract information, can be completed by more than one type of SPOT user
- Establishing organizational information early can make using SPOT simpler for all categories of users
  - Defining and communicating who should do what can help eliminate delays
  - Ensuring that users are registered appropriately and organizational hierarchy has been defined in SPOT can save time
- Establishing organizational consistency in areas such as how contract numbers are entered and exactly which organizational names are used can also help streamline processes. Once LOAs and deployments are initiated, changing information such as organizational alignment and contract numbers can be a very complex and time-consuming process.



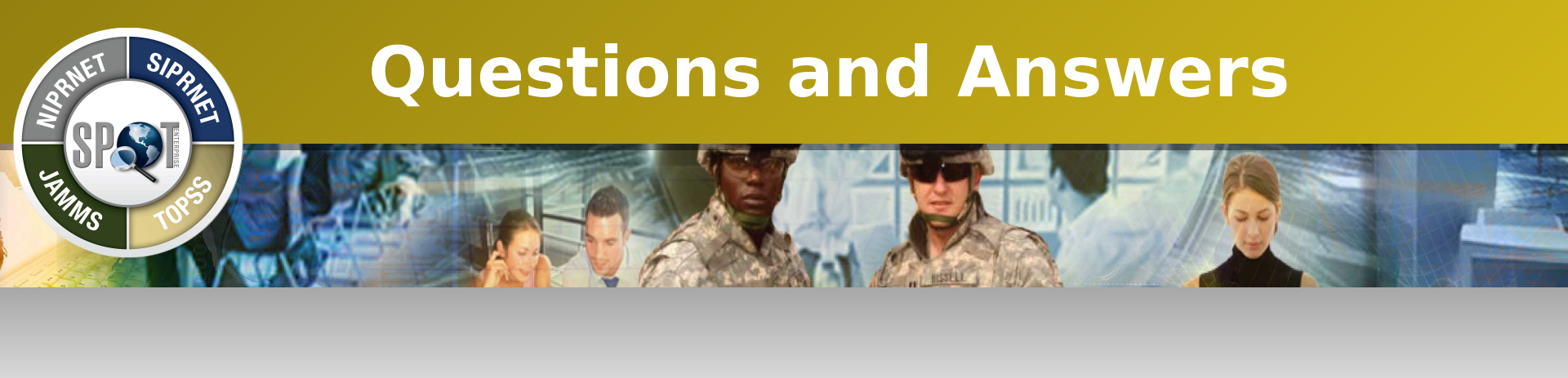


# SPOT Best Practices can Save Time



- Carefully defining key business rules can help prevent delays later in the process, for example:
  - What types of users are responsible for what tasks?
  - What organization each user should be associated with?
  - What role each user should be assigned?
  - Who are the appropriate sponsors?
- Once an LOA is approved, information cannot be changed on it without revoking it and starting over
  - Taking care to ensure that all information on LOAs is correct before approving it can save time
- Contracting officers can define the default Government Furnished Services for a contract, doing so when the contract is added reduces the need to assign these services to each LOA individually
- If a foreign national does not require a CAC, an official FIN may not be needed; other unique identifiers may be entered as an alternative





# Questions and Answers

## Questions? ReCap and Summary





# Summary: SPOT ES Benefits



SPOT provides:

- Central, integrated source of information
- Aids in planning
- Single standard user interface
- A standard tool for the functional management of CAAF
- Reduces manual data entry through integration with related industry and government authoritative systems
- Automated movement tracking via JAMMS
- Digitally signed LOAs with unique SPOT barcodes
- Complies with Homeland Security Presidential Directive 12 Policy





